

In the Claims

Please cancel Claims 1 – 30 without prejudice or disclaimer of the subject matter contained therein before calculating the filing fee in the above-styled patent application.

Please add the following new claims:

31. (New) A method for interfacing with a multi-level data structure comprising the steps of:

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selecting a concept object stored in the multi-level data structure;
displaying a first image comprising the selected concept object;
displaying one or more second images, each second image comprising a parent concept object of the selected concept object;
displaying a first symbol illustrating an association between each second image to the first image;

if the selected concept object has one or more child concept objects, displaying one or more third images, each third image comprising one of the child concept objects of the selected concept object, and displaying a second symbol illustrating an association between each third image and the first image; and

if the selected concept object has one or more lateral concept objects, displaying one or more fourth images, each fourth image comprising a lateral concept object of the selected concept object, and displaying a third symbol illustrating an association between each fourth image and the first image.

32. (New) The method as recited in Claim 31, further comprising the steps of:
selecting a new concept object from one of the selected concept object, one or more parent concept objects, one or more children concept objects, and one or more lateral concept objects;

displaying a fifth image comprising the selected new concept object;

displaying one or more sixth images, each sixth image comprising a parent concept object of the selected new concept object;

displaying a fourth symbol illustrating an association between each sixth image and the fifth image;

if the selected new concept object has one or more child concept objects, displaying one or more seventh images, each seventh image comprising a child concept object of the selected new concept object, and displaying a fifth symbol illustrating an association between each seventh image and the fifth image; and

if the selected new concept object has one or more lateral concept objects, displaying one or more eighth images, each eighth image comprising a lateral concept object of the selected new concept object, and displaying a sixth symbol illustrating an association between each eighth image and the fifth image.

33. (New) The method as recited in claim 31 wherein the first, second, third and fourth images comprise text strings.

34. (New) The method as recited in claim 31 wherein the first image is highlighted.

35. (New) The method as recited in claim 31 wherein the first, second, third and fourth images, and the first, second and third symbols are displayed within a first viewing area.

36. (New) The method as recited in claim 35 further comprising the step of displaying one or more attributes of the selected concept object.

37. (New) The method as recited in claim 36 further comprising the step of displaying one or more details of the selected concept object.

38. (New) The method as recited in claim 37 further comprising the step of displaying one or more terms associated with the selected concept object.

39. (New) The method as recited in claim 38 further comprising the step of displaying a work area for temporarily storing terms.

40. (New) The method as recited in claim 35 further comprising the steps of:
selecting either a microglossary panel, a term facet panel, a relations facet panel or a term phrase editor panel; and
displaying the selected panel in a second viewing area.

41. (New) A computer readable medium having computer executable instructions for performing the steps recited in Claim 31.

42. (New) A system for interfacing with a multi-level data structure comprising:

a computer;

a display communicably connected to the display;

a memory communicably connected to the computer for storing the multi-level data structure;

a computer program resident on the computer for:

selecting a concept object stored in the multi-level data structure,

displaying a first image comprising an alphanumeric string representing the selected concept object on the display,

displaying one or more second images on the display, each second image comprising an alphanumeric string representing a parent concept object of the selected concept object and displaying a first symbol on the display illustrating an association between each second image and the first image,

if the selected concept object has one or more child concept objects, displaying one or more third images on the display, each third image comprising an alphanumeric string representing a child concept object of the selected concept object and displaying a second symbol on the display illustrating an association between each third image and the first image, and

if the selected concept object has one or more lateral concept objects, displaying one or more fourth images on the display, each fourth image comprising an alphanumeric string representing a lateral concept object of the selected concept object and displaying a third symbol on the display illustrating an association between each fourth image and the first image.

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43. (New) The system as recited in Claim 42 wherein the computer program:
selects a new concept object from one of the selected concept object, the one or more parent concept objects, one or more children concept objects, and one or more lateral concept objects;
displays a fifth image on the display comprising the selected new concept object;
displays one or more sixth images on the display, each sixth image comprising a parent concept object of the selected new concept object;
displays a fourth symbol on the display illustrating an association between each sixth image and the fifth image;
if the selected new concept object has one or more child concept objects, displays one or more seventh images on the display, each seventh image comprising a child concept object of the selected new concept object, and displays a fifth symbol on the display illustrating an association between each seventh image and the fifth image; and
if the selected new concept object has one or more lateral concept objects, displays one or more eighth image comprising a lateral concept object of the selected new concept object, and displays a sixth symbol on the display illustrating an association between each eighth image and the fifth image.

44. (New) The system as recited in Claim 42 wherein the first, second, third and fourth images comprise text strings and wherein the first image is highlighted.

45. (New) The system as recited in Claim 42 wherein the computer program displays the first, second, third and fourth images, and the first, second and third symbols within a first viewing area on the display.

46. (New) The system as recited in Claim 45 wherein the computer program displays one or more attributes of the selected concept object in a second viewing area on the display wherein the attributes comprise at least one of a billing code and a medical code.

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47. (New) The system as recited in Claim 46 wherein the computer program displays one or more attributes of the selected concept object in a third viewing area on the display wherein the attributes comprise at least one of a billing code and a medical code.

48. (New) The system as recited in Claim 47 wherein the computer program displays one or more terms associated with the selected concept object in a fourth viewing area on the display.

49. (New) The system as recited in Claim 48 wherein the computer program displays a work area for temporarily storing terms in a fifth viewing area on the display.

50. (New) The system as recited in Claim 42 wherein the computer program:
selects either a microglossary panel, a term facet panel, a relations
facet panel or a term phrase editor panel; and
displays the selected panel in a second viewing area on the display.

51. (New) A method for displaying and creating relationships between different medical sources comprising:

selecting a medical concept displayed on a display device;

displaying another medical concept related to the selected medical concept;

displaying a billing code from a first medical source associated with the selected medical concept; and

displaying a medical code from a second medical source that is different from the first medical source and is associated with the selected medical concept.

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52. (New) The method of Claim 51, wherein the first medical source comprises at least one of International Statistical Classification of Disease and Related Health Problems (ICD) and Physicians' Current Procedural Terminology (CPT) billing codes.

53. (New) The method of Claim 51, wherein the second medical source comprises at least one of systemized nomenclature medical reference terminology (SNOMED RT), MeSH, UMLS CUI, and pharmacy terminology.

54. (New) The method of Claim 51, further comprising:
receiving a medical concept other than the selected medical concept;
creating an association between the received medical concept and the selected medical concept; and
storing the association between the received medical concept and the selected medical concept in memory.

55. (New) The method of Claim 54, wherein the received medical concept is a child concept relative to the selected medical concept.

56. (New) The method of Claim 51, further comprising:
receiving a medical term;
creating an association between the received medical term and the
selected medical concept;
storing the association between the term and the selected medical
concept in memory.

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57. (New) The method of Claim 56, wherein the received medical term
comprises one of a synonym, consumer term, grammatical variant, abbreviation, misspelling,
truncation, phrase, and a code modifier.

58. (New) The method of Claim 56, further comprising storing the received
medical term in a glossary comprising terms.

59. (New) The method of Claim 51, further comprising:
receiving input defining a new taxonomy, the taxonomy
comprising a hierarchy of medical information; and
storing the input in memory.

60. (New) The method of Claim 51, further comprising:
receiving an inquiry;
searching a source comprising the medical concept for the inquiry;
and
displaying one or more medical concepts related to the inquiry.

61. (New) A method for interfacing with a multi-level data structure comprising the steps of:

selecting a medical concept object stored in the multi-level data structure;

displaying a first image comprising the selected medical concept object;

displaying one or more second images, each second image comprising a parent medical concept object of the selected medical concept object;

displaying a first graphical element representing an association between each second image to the first image;

if the selected concept object has one or more child medical concept objects, displaying one or more third images, each third image comprising one of the child medical concept objects of the selected medical concept object, and displaying a second graphical element representing an association between each third image and the first image; and

if the selected concept object has one or more lateral medical concept objects, displaying one or more fourth images, each fourth image comprising a lateral medical concept object of the selected concept object, and displaying a third graphical element representing an association between each fourth image and the first image.

62. (New) The method of Claim 61, wherein the selected medical concept comprises a medical term from one of of International Statistical Classification of Disease and Related Health Problems (ICD), systemized nomenclature medical reference terminology (SNOMED RT), and MeSH.

63. (New) The method of Claim 61, further comprising displaying a billing code from a medical database associated with the selected medical concept.

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64. (New) The method of Claim 61, further comprising displaying a medical code from a medical database associated with the selected medical concept.

Serial No. 09/829,461

65. (New) The method of Claim 61, further comprising displaying a medical procedure associated with the selected medical concept.
